



## PACKAGING, PROTECTION AND STERILISATION SYSTEMS



# PHARMACLEAN® AUTOCLAVABLE BAG

### DESCRIPTION

Pharmaclean® protective bags, realised in DuPont™ Tyvek®<sup>1</sup> material, are the fastest method for protecting and covering small components and tools from any external contamination in aseptic production areas. These bags can be closed through drawstrings, which prevent the entrance of dust and particles, ensuring a more effective barrier than medical paper. Autoclavable, with low particle release and highly breathable, these bags are moisture and puncture resistant. They are worked in cleanroom and available also in irradiated sterile version.

<sup>1</sup> DuPont™ and Tyvek® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company.



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PROPERTIES	QUALITY STANDARDS	SPECIFICATIONS
<b>PHYSICAL PROPERTIES</b>		
Material		Tyvek® (Spunbonded Olefin) Type 1422A
Weight	DIN EN ISO 536	39.0-44.0 gr/mq
Thickness		140 micron Typical Value
<b>RESISTANCE (MD: MACHINE DIRECTION, CD: CROSS DIRECTION)</b>		
Traction resistance (MD/CD)	DIN EN ISO 13934-1	N >60
Tear resistance (MD/CD)	DIN EN ISO 9073-4	N >10
Mullen Burst	ISO 2758	kPa > 280
<b>MISCELLANEOUS PROPERTIES</b>		
Hydrostatic Head	AATCC TM127	cm H <sub>2</sub> O >106
Puncture resistance	DIN EN 863	N >10
Gurley Hill Test porosity	TAPPI T 460	s <45
<b>BARRIER PROPERTIES</b>		
Particles dimensions Concentration /Lt	CEN/TC 162 WG3 N263	1.0 - 1.5 / 47.042 1.5 - 2.0 / 10.384 > 2.0 / 7.054
Water vapor permeability	ASTM E398	1700 g/m <sup>2</sup> . 24 h
<b>THERMAL PROPERTIES</b>		
Shrink Temperature		244/118 °F/°C
Melting Temperature		275/135 °F/°C

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PRODUCTS		
CODE	DESCRIPTION	PACKAGING
PH10017	Size 25 x 40 cm (W x H)	100 pieces: 10 pieces in one double bag, 10 bags inserted in liner and carton box
PH10019	Size 25 x 75 cm (W x H)	
PH10022	Size 30 x 30 cm (W x H)	
PH10024	Size 30 x 45 cm (W x H)	
PH10026	Size 35 x 45 cm (W x H)	
PH10193	Size 40 x 60 cm (W x H)	
PH10034	Size 45 x 75 cm (W x H)	
PH10037	Size 50 x 100 cm (W x H)	
PH10039	Size 60 x 60 cm (W x H)	
PH10041	Size 60 x 90 cm (W x H)	
PH10245	Size 73 x 75 cm (W x H)	
PH10043	Size 90 x 90 cm (W x H)	
PH10013	Size 120 x 120 cm (W x H)	

Pharmaclean® bags are also available without closing drawstrings and sealable through hot-sealing; they can be realised in different sizes and shapes according to client needs.

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001:2015 =